

ABSTRACT OF THE DISCLOSURE

A method and apparatus are described for controlling connection admission for a connection request in a network. A first estimator estimates an equivalent cell rate (ECR) based on description of the connection request. The description includes a booking factor. A second estimator estimates a measured utilization factor for admitted connections in the network using measurements of data streams arriving at queues. A controller is coupled to the first and second estimators to generate an admission decision for the connection request based on the estimated ECR and the estimated measured utilization factor.